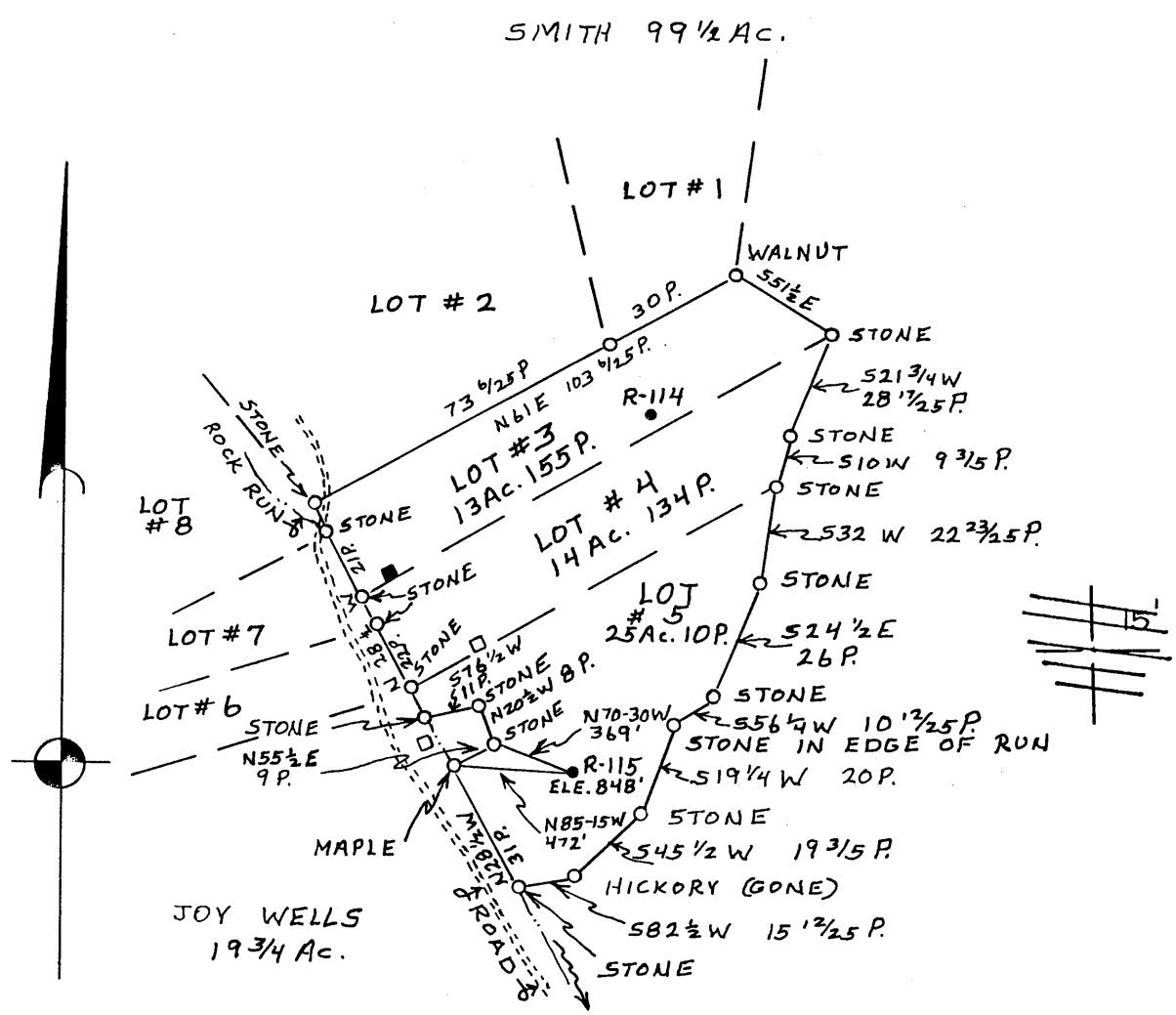


12/27/77

Latitude **39° 27½'**  
(15') 39° 30'  
13630 S  
640 W

Longitude **81° 00'**



Fracture. . . .   
 Redrill. . . .   
 New Location   
 Drill Deeper   
 Abandonment

Source of Elevation TOPO MAP  
 I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia.  
 Minimum accuracy, one part in 200

*William R. Mossor*

Company C.W. RIGGS, Inc.  
 Address BOX 358, ST. MARYS, W.VA. 26170  
 Farm ROBERT E. WELLS (FEE)  
~~Tract~~ LOT #5 Acres 25Ac. 10P. Lease No. \_\_\_\_\_  
 Well (Farm) No. R-115 Serial No. \_\_\_\_\_  
 Elevation (Spirit Level) 848'  
 Quadrangle ST. MARYS 15  
BENS RUN, W.VA. 7½' QUAD.  
 County TYLER District MEAD  
 Surveyor or Engineer WILLIAM R. MOSSOR, L.L.S.  
 Surveyor's or Engineer's Registration No. 551  
 File No. \_\_\_\_\_ Drawing No. \_\_\_\_\_  
 Date 7 DEC. 1978 Scale 1"=40P.

STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION  
 CHARLESTON

WELL LOCATION MAP  
 FILE NO. 47-095-0681

*Cancelled*

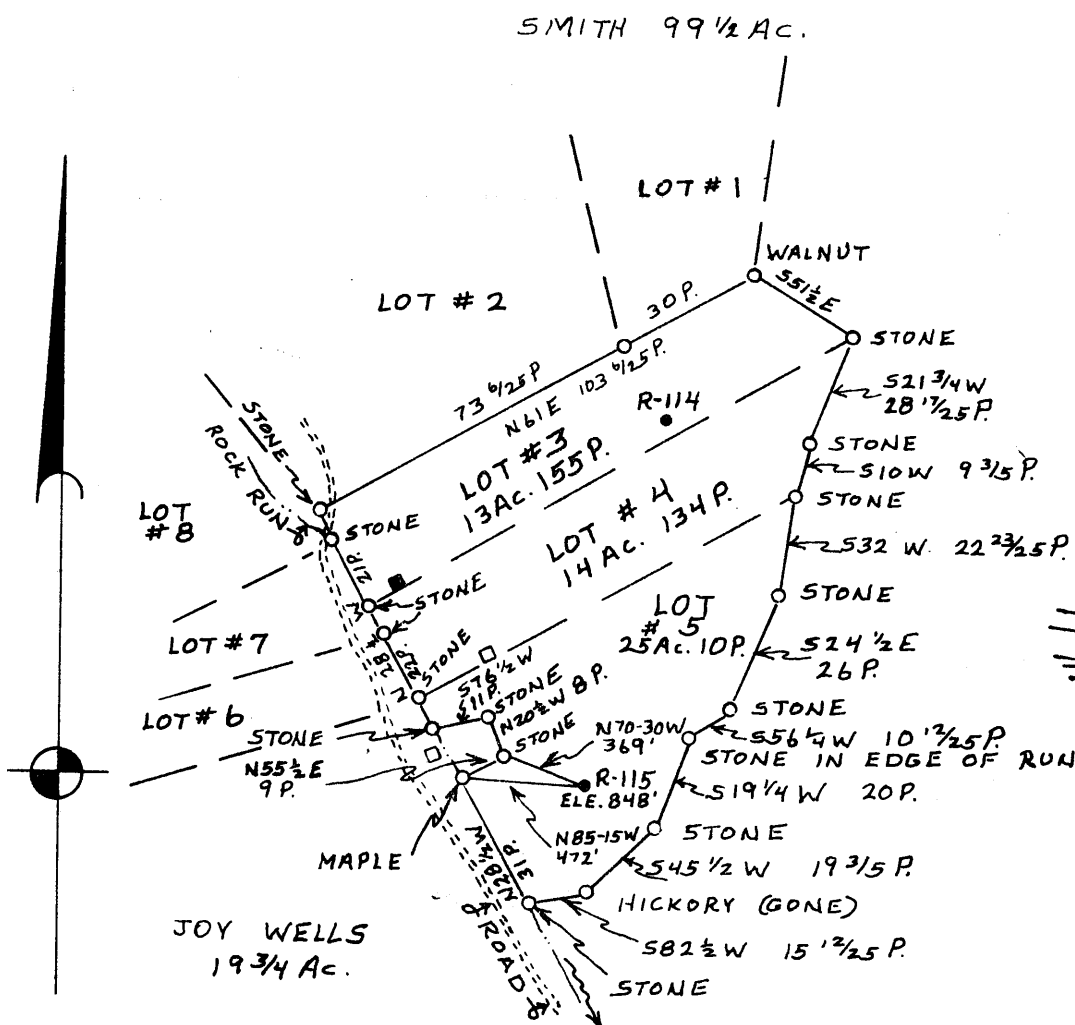
+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown.  
 — Denotes one inch spaces on border line of original tracing.

FEB 3 1987

Latitude  $39^{\circ} 27' \frac{1}{2}$

(15')  $39^{\circ} 30'$   
 $\frac{13830 S}{640 W}$

Longitude  $81^{\circ} 00'$



- Fracture
- Redrill
- New Location
- Drill Deeper
- Abandonment

Source of Elevation TOPO MAP

I the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by paragraph 1 of the Standard Conditions of the oil and gas section of the leasing laws of West Virginia.

*William R. Mossor*

Minimum accuracy, one part in 200

Company C.W. RIGGS, Inc.  
 Address BOX 358, ST. MARYS, W.VA. 26170  
 Farm ROBERT E. WELLS (FEE)  
LOT #5 Acres 25Ac. 10P. Lease No. \_\_\_\_\_  
 Well Name No. R-115 Serial No. \_\_\_\_\_  
 Elevation (Spot Level) 848'  
ST. MARYS 15' NE  
 Quarter Angle BENS RUN, W.VA. T 1/2 QUAD.  
 County TYLER District MEAD  
 Surveyor or Engineer WILLIAM R. MOSSOR, L.L.S.  
 Surveyor's or Engineer's Registration No. 351  
 File No. \_\_\_\_\_ Drawing No. \_\_\_\_\_  
 Date 7 DEC. 1978 Scale 1"=40P.

DEPARTMENT OF MINES  
 OIL AND GAS DIVISION  
 CHARLESTON

**WELL LOCATION MAP**  
 FILE NO. **47-095-0681**

Denotes location of well on United States  
 Topographic Maps, scale 1"=62,500' in length  
 and longitude lines being represented by large  
 lines as shown.

Denotes 10 inch squares on border in original tracing.

JAN 25 1979



RECEIVED

DEC 29 1978

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

DIVISION  
DEPT. OF MINES

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

TO THE DEPARTMENT OF MINES,  
Charleston, W. Va.

DATE 12/29/78

Surface Owner \_\_\_\_\_

Company \_\_\_\_\_

Address \_\_\_\_\_

Address \_\_\_\_\_

Mineral Owner \_\_\_\_\_

Farm \_\_\_\_\_ Acres \_\_\_\_\_

Address \_\_\_\_\_

Location (waters) \_\_\_\_\_

Coal Owner \_\_\_\_\_

Well No. 115 Elevation 410

Address \_\_\_\_\_

District \_\_\_\_\_ County \_\_\_\_\_

Coal Operator \_\_\_\_\_

Quadrangle \_\_\_\_\_

Address \_\_\_\_\_

THIS PERMIT MUST BE POSTED AT THE WELL SITE

All provisions being in accordance with Chapter 22,  
of the W. Va. Code, the location is hereby approved  
for drilling. This permit shall expire if  
operations have not commenced by 5-3-79.

INSPECTOR  
TO BE NOTIFIED \_\_\_\_\_

ADDRESS \_\_\_\_\_

PHONE 201-73

[Signature]  
Deputy Director - Oil & Gas Division

GENTLEMEN:

The undersigned well operator is entitled to drill upon the above named farm or tract of land for oil and gas, having fee title thereto, (or as the case may be) under grant or lease dated 12/29/78 by \_\_\_\_\_ made to \_\_\_\_\_ and recorded on the 25 day of Nov 1978, in \_\_\_\_\_ County, Book 217 Page 573

NEW WELL \_\_\_\_\_ DRILL DEEPER \_\_\_\_\_ REDRILL \_\_\_\_\_ FRACTURE OR STIMULATE \_\_\_\_\_  
OIL AND GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1969.

The enclosed plat was prepared by a registered engineer or licensed land surveyor and all coal owners and/or operators have been notified as of the above date.

The above named coal owners and/or operator are hereby notified that any objection they wish to make, or are required to make by Section 3 of the Code, must be received by, or filed with the Department of Mines within ten (10) days. \*

Copies of this notice and the enclosed plat were mailed by registered mail, or delivered to the above named coal operators or coal owners at their above shown respective address \_\_\_\_\_ day \_\_\_\_\_ before, or on the same day with the mailing or delivery of this copy to the Department of Mines at Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL  
GEOPHYSICAL LOGS DIRECTLY TO:

WEST VIRGINIA GEOLOGICAL AND  
ECONOMIC SURVEY  
P. O. BOX 879  
MORGANTOWN, WEST VIRGINIA 26505  
AC-304 - 292-6331

Address  
of  
Well Operator

Very truly yours,  
(Sign Name) [Signature]  
Well Operator

\_\_\_\_\_  
Street  
\_\_\_\_\_  
City or Town  
\_\_\_\_\_  
State

\*SECTION 3 . . . . If no objections are filed or found by the Department of mines, within said period of ten days from the receipt of notice and plat by the department of mines, to said proposed location, the department shall forthwith issue to the well operator a permit reciting the filing of such plat, that no objections have been made by the coal operators or found thereto by the department and that the same is approved and the well operator authorized to proceed.

**THIS IS AN ESTIMATE ONLY  
ACTUAL INFORMATION WILL BE SUBMITTED ON OG-10 UPON COMPLETION**

PROPOSED WORK ORDER TO X DRILL \_\_\_\_\_ DEEPEN \_\_\_\_\_ FRACTURE-STIMULATE \_\_\_\_\_  
 DRILLING CONTRACTOR: (If Known) RESPONSIBLE AGENT:  
 NAME Hought Drilling NAME W. H. H. H.  
 ADDRESS Smithville, W. Va. ADDRESS 2580 St. Albans, W. Va.  
 TELEPHONE 111-3333 TELEPHONE 204-3774  
 ESTIMATED DEPTH OF COMPLETED WELL 2040' ROTARY X CABLE TOOLS \_\_\_\_\_  
 PROPOSED GEOLOGICAL FORMATION: Carboniferous  
 TYPE OF WELL: OIL \_\_\_\_\_ GAS \_\_\_\_\_ COMB. X STORAGE \_\_\_\_\_ DISPOSAL \_\_\_\_\_  
 RECYCLING \_\_\_\_\_ WATER FLOOD \_\_\_\_\_ OTHER \_\_\_\_\_

**TENTATIVE CASING PROGRAM:**

CASING AND TUBING SIZE	USED FOR DRILLING	LEFT IN WELL	CEMENT LIFT UP OR SACKS CUBIC FT.
20 - 16			
13 - 10			
9 - 5/8			
8 - 5/8		<u>150'</u>	<u>about top-bottom</u>
7			
5 1/2			
4 1/2		<u>2040'</u>	<u>200 Sks</u>
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 7 FEET SALT WATER \_\_\_\_\_ FEET  
 APPROXIMATE COAL DEPTHS \_\_\_\_\_  
 IS COAL BEING MINED IN THE AREA? X BY WHOM? \_\_\_\_\_

**TO DRILL:**

SUBMIT FIVE (5) COPIES OF OG - 1, \$100.00 PERMIT FEE, PERFORMANCE BOND AND PERMANENT COPY OF PLAT.

**TO DRILL DEEPER OR REDRILL:**

SUBMIT FIVE (5) COPIES OF OG - 1, SHOWING ORIGINAL PERMIT NUMBER AND PERFORMANCE BOND. ON WELLS DRILLED PRIOR TO 1929, A PERMANENT COPY OF THE PLAT AND THE ORIGINAL WELL RECORD MUST ALSO BE SUBMITTED.

**TO FRACTURE - STIMULATE:**

OIL AND/OR GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1929, FIVE (5) COPIES OG - 1, PERFORMANCE BOND, PERMANENT PLAT AND ORIGINAL WELL RECORD.

OIL AND/OR GAS WELL ORIGINALLY DRILLED ON AND/OR AFTER JUNE 5, 1929, FIVE COPIES OG - 1, SHOWING ORIGINAL PERMIT NUMBER, AND PERFORMANCE BOND.

Required forms must be filed within ninety (90) days of completion for bond release. Inspector to be notified twenty-four (24) hours in advance.

The following waiver must be completed by the coal operator if the permit is to be issued within ten days of receipt thereof.

WAIVER: I the undersigned, Agent for \_\_\_\_\_ Coal Company, Owner or Operator of the coal under this lease have examined and place on our mine maps this proposed well location.

We the \_\_\_\_\_ Coal Company have no objections to said well being drilled at this location, providing operator has complied with all rules and regulations in Articles 4, 5, and 7, Chapter 22 of the West Virginia Code.

\_\_\_\_\_  
For Coal Company  
\_\_\_\_\_  
Official Title